**Station 1: All Circles are Similar**

**Circle A 🡪 Circle B**

1. A – center: (0, 0), radius: 2

B – center: (-2, 1), radius 4

2. A – center: (-3, -2), radius: 2

B – center: (0, -3), radius 5

3. A – center: (4, 3), radius 3

B – center: (-1, 3), radius 2

Series of transformations for each

Why are all circles similar?

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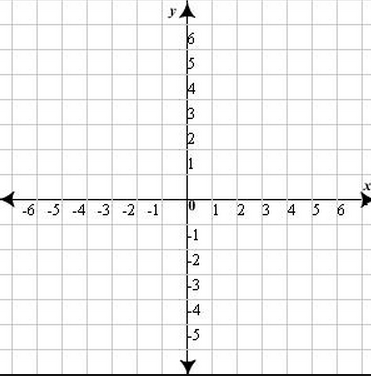
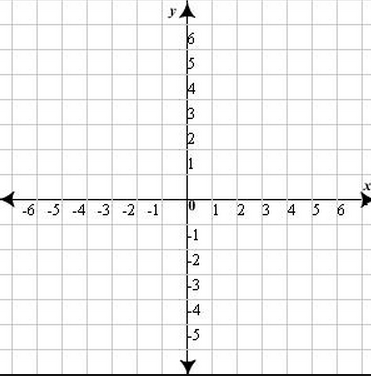
B – center: (0, -3), radius 5

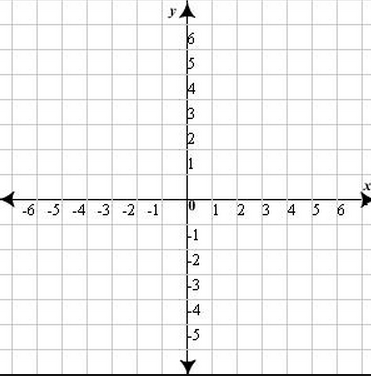
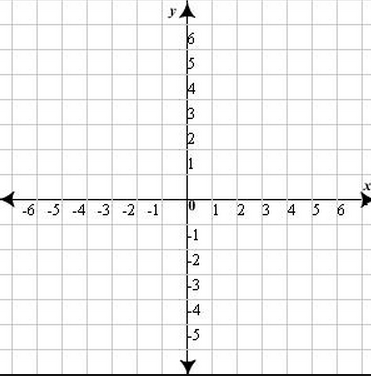
3. A – center: (4, 3), radius 3

B – center: (-1, 3), radius 2

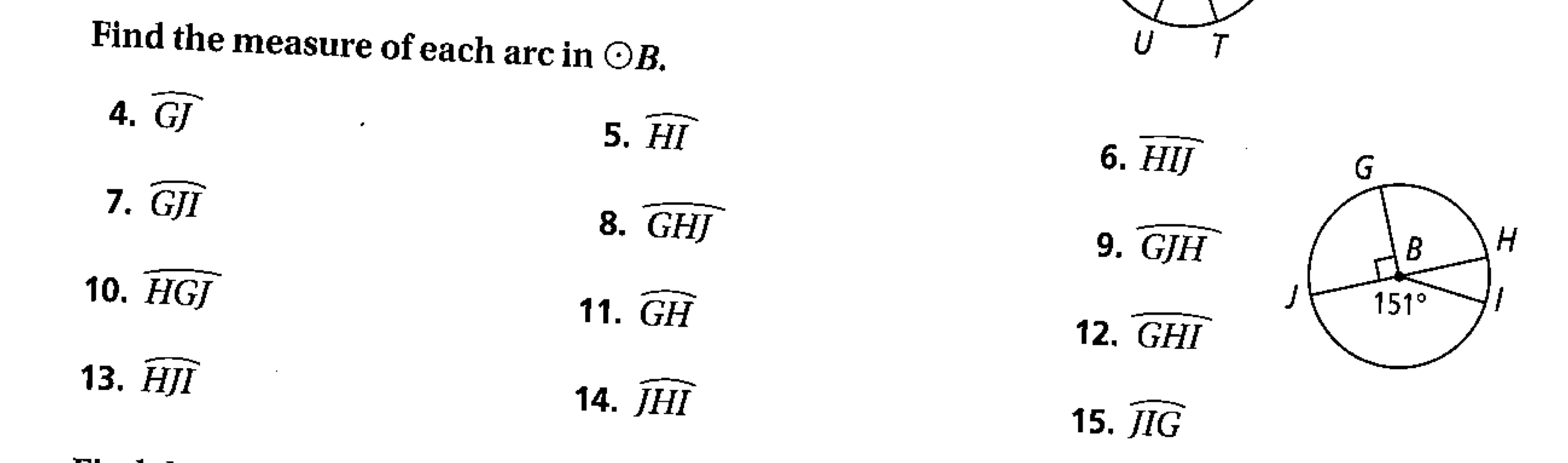
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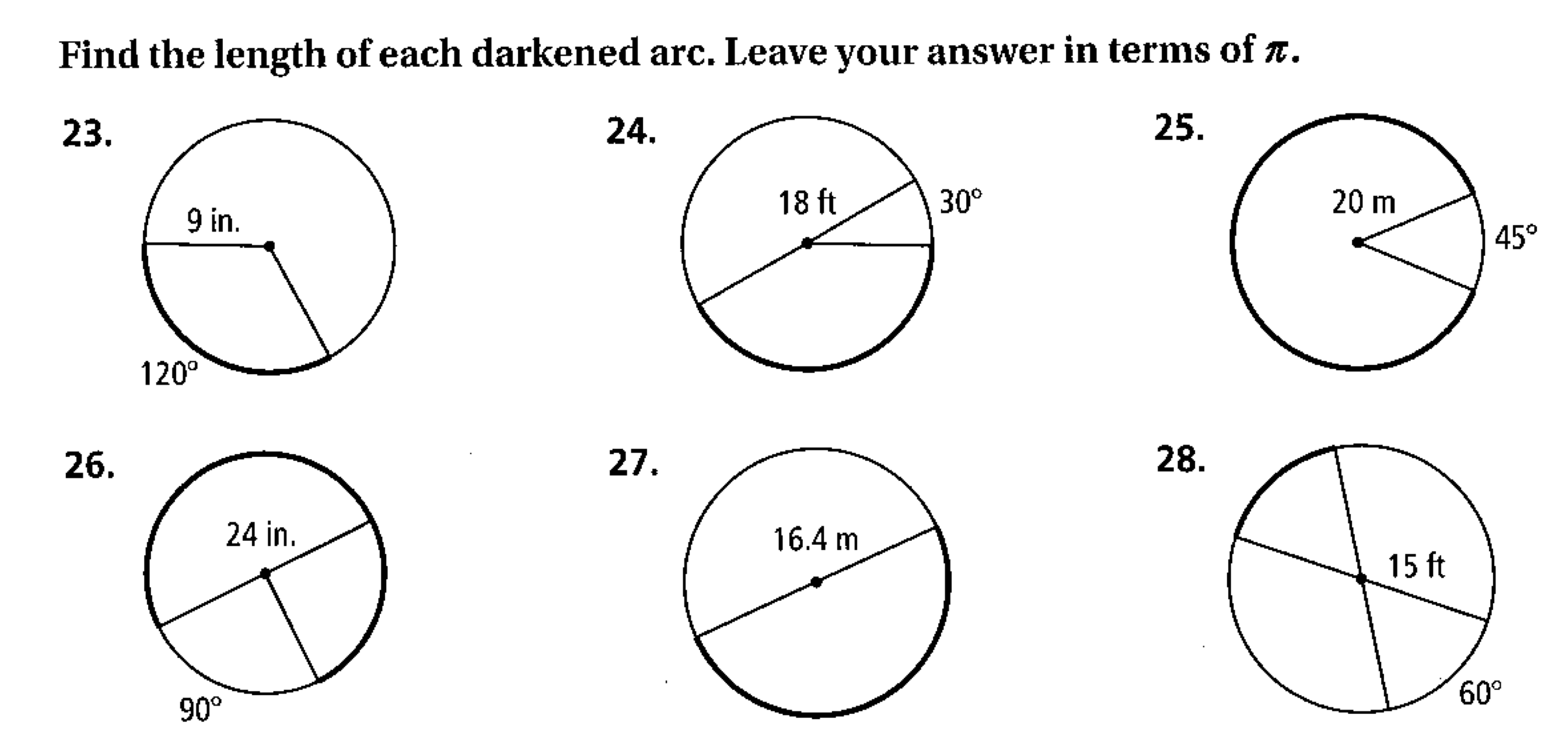
Why are all circles similar?

**Station 2: Arc Measure, Arc Length**





**Station 3: Sector Area**

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****

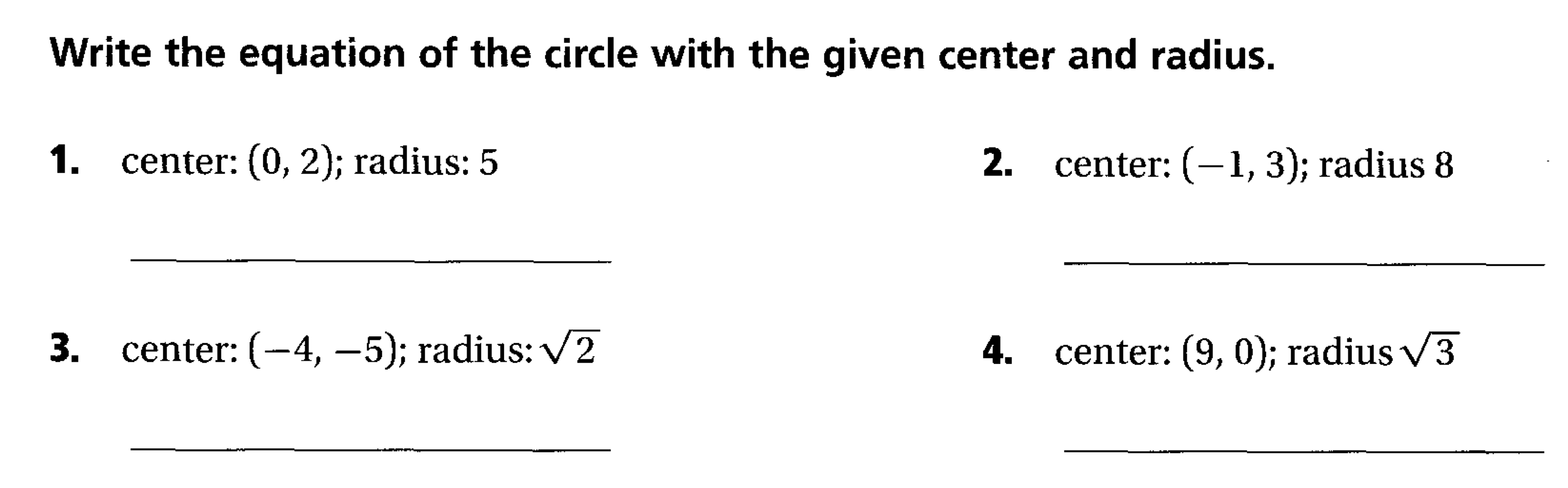
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**Station 4: Equation of a Circle**





**Station 7: Central and Inscribed Angles**



5. Find the measure of *x*. 6. Find the measure of *x*.

